

Title (en)

TOUCH-BASED MOBILE DEVICE AND METHOD FOR PERFORMING TOUCH LOCK FUNCTION OF THE MOBILE DEVICE

Title (de)

BERÜHRUNGSEMPFINDLICHE MOBILVORRICHTUNG UND VERFAHREN ZUR AUSFÜHRUNG VON BERÜHRUNGSSPERRFUNKTIONEN AN DER MOBILVORRICHTUNG

Title (fr)

DISPOSITIF MOBILE À FONCTIONNEMENT TACTILE ET PROCÉDÉ DE RÉALISATION D'UNE FONCTION DE VERROUILLAGE TACTILE DU DISPOSITIF MOBILE

Publication

**EP 2559167 B1 20190724 (EN)**

Application

**EP 11769052 A 20110412**

Priority

- KR 20100034244 A 20100414
- KR 2011002577 W 20110412

Abstract (en)

[origin: US2011256848A1] A touch-based mobile device and a method for performing a touch lock function of the mobile device are provided. In the method, the device displays a touch lock screen in which a cover layer is superimposed over a specific underlying screen and allows the underlying screen to be visible. When an input of a touch moving gesture is detected, the device moves the cover layer depending on the touch moving gesture, and determines whether a distance of the touch moving gesture reaches a predefined critical distance. If so, the device removes the cover layer from the touch lock screen and switches the touch lock state to a touch unlock state, thus allowing a user to more conveniently switch the touch lock state to the touch unlock state.

IPC 8 full level

**H04B 1/40** (2015.01); **G06F 3/0488** (2013.01); **H04M 1/725** (2021.01); **G06F 3/048** (2013.01); **H04M 1/67** (2006.01); **H04W 4/20** (2018.01)

CPC (source: EP KR US)

**G06F 3/048** (2013.01 - EP US); **G06F 3/04883** (2013.01 - EP US); **G06F 21/36** (2013.01 - KR); **H04B 1/40** (2013.01 - KR); **H04M 1/67** (2013.01 - EP US); **H04M 1/725** (2013.01 - EP US); **G06F 2203/04804** (2013.01 - EP US); **H04W 4/20** (2013.01 - EP)

Designated contracting state (EPC)

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**US 2011256848 A1 20111020**; **US 9584643 B2 20170228**; CN 102844989 A 20121226; CN 102844989 B 20160803; EP 2559167 A2 20130220; EP 2559167 A4 20131023; EP 2559167 B1 20190724; KR 101642725 B1 20160811; KR 20110114873 A 20111020; WO 2011129586 A2 20111020; WO 2011129586 A3 20120315

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